

2184  
JRW



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Tanya Parker

(Typed or Printed Name of Person Mailing Paper or Fee)

Tanya Parker  
(Signature of Person Mailing Paper or Fee)

**PATENT**  
**Attorney Docket No. OR00-12101**

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

In re Patent Application of )  
Tirthankar Lahiri et al. ) Group Art Unit: 2184  
Application No.: 09/834,342 ) Examiner: *Latimer, Sharon*  
Filed: April 13, 2001 )  
Title: SYSTEM AND METHOD FOR PREDICT- )  
ING CACHE PERFORMANCE )

**COMMUNICATION**

Commissioner for Patents  
PO Box 1450  
Alexandria, VA 22313-1450

Sir:

Enclosed herewith for filing in the above-captioned patent application is an executed Power of Attorney and Correspondence Address Indication Form (with revocation of prior powers) and a Statement under 37 CFR 3.73(b) Form PTO/SB/96 with copies of assignment documents.

Respectfully submitted,

By: A. Richard Park  
A. Richard Park  
Reg. No. 41,241

Park, Vaughan & Fleming LLP  
2820 Fifth Street  
Davis, CA 95616  
(530) 759-1661  
Date: March 10, 2005

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**POWER OF ATTORNEY  
and  
CORRESPONDENCE ADDRESS  
INDICATION FORM**

<b>Application Number</b>	09/834,342
<b>Filing Date</b>	April 13, 2001
<b>First Named Inventor</b>	Tirthankar Lahiri
<b>Title</b>	SYSTEM AND METHOD FOR PREDICTING CACHE PERFORMANCE
<b>Art Unit</b>	2184
<b>Examiner Name</b>	Sharon Latimer
<b>Attorney Docket Number</b>	OR00-12101

I hereby revoke all previous powers of attorney given in the above-identified application.

I hereby appoint:

Practitioners associated with the Customer Number:

51067

OR

Practitioner(s) named below:

Name	Registration Number

as my/our attorney(s) or agent(s) to prosecute the application identified above, and to transact all business in the United States Patent and Trademark Office connected therewith.

Please recognize or change the correspondence address for the above-identified application to:

The address associated with the above-mentioned Customer Number:

OR

The address associated with Customer Number:

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Firm or  
Individual Name

Address

City

State

Zip

Country

Telephone

Fax

I am the:

Applicant/Inventor.

Assignee of record of the entire interest. See 37 CFR 3.71.  
*Statement under 37 CFR 3.73(b) is enclosed. (Form PTO/SB/96)*

**SIGNATURE of Applicant or Assignee of Record**

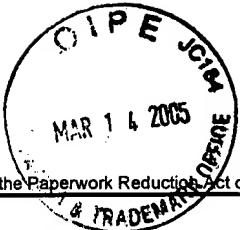
Signature	<i>Roger Kennedy</i>	Date	9 March 2005
Name	<i>Roger Kennedy</i>	Telephone	650-506-1913
Title and Company	Oracle International Corporation		

NOTE: Signatures of all the inventors or assignees of record of the entire interest or their representative(s) are required. Submit multiple forms if more than one signature is required, see below.

\*Total of \_\_\_\_\_ forms are submitted.

This collection of information is required by 37 CFR 1.31, 1.32 and 1.33. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.11 and 1.14. This collection is estimated to take 3 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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### STATEMENT UNDER 37 CFR 3.73(b)

Applicant/Patent Owner: Oracle International Corporation

Application No./Patent No.: 09/834,342 Filed/Issue Date: April 13, 2001

Entitled: SYSTEM AND METHOD FOR PREDICTING CACHE PERFORMANCE

Oracle International Corporation, a Corporation  
(Name of Assignee) (Type of Assignee, e.g., corporation, partnership, university, government agency, etc.)

states that it is:

1.  the assignee of the entire right, title, and interest; or

2.  an assignee of less than the entire right, title and interest.

The extent (by percentage) of its ownership interest is \_\_\_\_\_ %  
in the patent application/patent identified above by virtue of either:

A. [ ] An assignment from the inventor(s) of the patent application/patent identified above. The assignment was recorded in the United States Patent and Trademark Office at Reel \_\_\_\_\_, Frame \_\_\_\_\_, or for which a copy thereof is attached.

OR

B. [v] A chain of title from the inventor(s), of the patent application/patent identified above, to the current assignee as shown below:

1. From: Tirthankar Lahiri et al. To: Oracle Corporation  
The document was recorded in the United States Patent and Trademark Office at Reel 011695, Frame 0852, or for which a copy thereof is attached.
2. From: Oracle Corporation To: Oracle International Corporation  
The document was recorded in the United States Patent and Trademark Office at Reel 013737, Frame 0276, or for which a copy thereof is attached.
3. From: \_\_\_\_\_ To: \_\_\_\_\_  
The document was recorded in the United States Patent and Trademark Office at Reel \_\_\_\_\_, Frame \_\_\_\_\_, or for which a copy thereof is attached.

[ ] Additional documents in the chain of title are listed on a supplemental sheet.

[v] Copies of assignments or other documents in the chain of title are attached.

[NOTE: A separate copy (i.e., the original assignment document or a true copy of the original document) must be submitted to Assignment Division in accordance with 37 CFR Part 3, if the assignment is to be recorded in the records of the USPTO. See MPEP 302.08]

The undersigned (whose title is supplied below) is authorized to act on behalf of the assignee.

March 10, 2005

A. Richard Park (Reg. No. 41,241)

Date

Typed or printed name

(530) 759-1660

Telephone number

Signature

Attorney of Record

Title

This collection of information is required by 37 CFR 3.73(b). The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.



UNITED STATES DEPARTMENT OF COMMERCE  
Patent and Trademark Office  
ASSISTANT SECRETARY AND COMMISSIONER  
OF PATENTS AND TRADEMARKS  
Washington, D.C. 20231

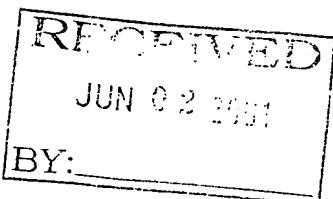
JUNE 28, 2001

PTAS



\*101679498A\*

PARK, VAUGHN & FLEMING LLP  
DANIEL VAUGHAN  
702 MARSHALL STREET  
SUITE 310  
REDWOOD CITY, CA 94063



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PLEASE REVIEW ALL INFORMATION CONTAINED ON THIS NOTICE. THE INFORMATION CONTAINED ON THIS RECORDATION NOTICE REFLECTS THE DATA PRESENT IN THE PATENT AND TRADEMARK ASSIGNMENT SYSTEM. IF YOU SHOULD FIND ANY ERRORS OR HAVE QUESTIONS CONCERNING THIS NOTICE, YOU MAY CONTACT THE EMPLOYEE WHOSE NAME APPEARS ON THIS NOTICE AT 703-308-9723. PLEASE SEND REQUEST FOR CORRECTION TO: U.S. PATENT AND TRADEMARK OFFICE, ASSIGNMENT DIVISION, BOX ASSIGNMENTS, CG-4, 1213 JEFFERSON DAVIS HWY, SUITE 320, WASHINGTON, D.C. 20231.

RECORDATION DATE: 04/13/2001

REEL/FRAME: 011695/0852

NUMBER OF PAGES: 3

BRIEF: ASSIGNMENT OF ASSIGNEE'S INTEREST (SEE DOCUMENT FOR DETAILS).

ASSIGNEE:

LAHIRI, TIRTHANKAR

DOC DATE: 04/10/2001

ASSIGNEE:

LOAIZA, JUAN

DOC DATE: 04/10/2001

ASSIGNEE:

NITHRAKASHYAP, ARVIND

DOC DATE: 04/10/2001

ASSIGNEE:

BRIDGE, WILLIAM H.

DOC DATE: 04/10/2001

ASSIGNEE:

ORACLE CORPORATION  
500 ORACLE PARKWAY  
REDWOOD SHORES, CALIFORNIA 94065

SERIAL NUMBER: 09834342

FILING DATE: 04/13/2001

PATENT NUMBER:

ISSUE DATE:

011695/0852 PAGE 2

SHARON LATIMER, EXAMINER  
ASSIGNMENT DIVISION  
OFFICE OF PUBLIC RECORDS

04-24-2001



101679498

J692 U.S. PTO  
MERCE 06/18/2012 06/13/201

FORM PTO-1595

**RECORDATION FORM COVER SHEET  
PATENTS ONLY**

U.S. DEPARTMENT OF COMMERCE  
Patent and Trademark Office

To the Assistant Commissioner for Patents and Trademarks: Please record the attached original documents or copy thereof.

<p>1. Name of conveying party:</p> <p><b>Tirthankar Lahiri, Juan Loaiza, Arvind Nithrakashyap and William H. Bridge</b></p> <p>Additional name(s) of conveying party(ies) attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</p>	<p>2. Name and address of receiving party:</p> <p>Name: <b>Oracle Corporation</b>      Street Address: <b>500 Oracle Parkway</b>      City: State: Zip: <b>Redwood Shores, CA 94065</b></p> <p>Additional name(s) &amp; address(es) attached?</p> <p><input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</p>
<p>3. Nature of conveyance:</p> <p><input checked="" type="checkbox"/> Assignment      <input type="checkbox"/> Merger  <input type="checkbox"/> Security Agreement      <input type="checkbox"/> Change of Name  <input type="checkbox"/> Other</p> <p style="text-align: center;"><i>4/13/01</i></p>	
<p>Execution Date: <b>April 10, 2001</b></p>	

Execution Date: April 10, 2001

4: Application number(s) or patent number(s):

If this document is being filed together with a new application, the execution date of the application is: **April 10, 2001**

A. Patent Application No.(s):	B. Patent No.(s): <u>09834342</u>
Additional numbers attached? <input type="checkbox"/> Yes <input type="checkbox"/> No	
5. Name and address of party to whom correspondence concerning document should be mailed:  <b>Name: Daniel Vaughan Park, Vaughan &amp; Fleming LLP 702 Marshall Street, Suite 310 Redwood City, CA 94063</b>  Attorney Docket No.: OR00-12101	6. Total number of applications and patents involved: <u>[1]</u>  7. Total fee (37 CFR 3.41) ..... <u>\$40.00</u> <input checked="" type="checkbox"/> Enclosed <input type="checkbox"/> Authorized to be charged to deposit account  8. Deposit account number:

**DO NOT USE THIS SPACE**

**9. Statement and signature.**

*To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document.*

Daniel E. Vaughan

Name of Person Signing

Daniel Vaughn  
Signature

April 13, 2001

Date

Total number of pages including cover sheet, attachments and document: [3]

04/17/2001 HLE333 00000015 09834342

40.00 0P

**JOINT TO CORPORATE  
ASSIGNMENT**

WHEREAS, the undersigned,

(1) LAHIRI, Tirthankar 2067 Litchfield Place Santa Clara, CA 95051	(2) LOAIZA, Juan R. 13 Woodleaf Avenue Redwood City, CA 94061
(3) NITHRAKASHYAP, Arvind 800 Polhemus Road, # 1 San Mateo, CA 94402	(4) BRIDGE, William H. 2969 Seaview Parkway Alameda, CA 94502

hereinafter termed "Inventors", have invented certain new and useful improvements in

**SYSTEM AND METHOD FOR PREDICTING CACHE PERFORMANCE**

and have executed a declaration or oath for an application for a United States patent disclosing and identifying the invention:

(1) the <u>10<sup>th</sup></u> day of <u>April</u> , 2001;	(2) the <u>10<sup>th</sup></u> day of <u>April</u> , 2001;
(3) the <u>10<sup>th</sup></u> day of <u>April</u> , 2001;	(4) the <u>10<sup>th</sup></u> day of <u>April</u> , 2001.

Said application:  being filed herewith; OR  
 having Application No. \_\_\_\_\_, filed on \_\_\_\_\_, 2001.

WHEREAS, Oracle Corporation a corporation of the State of Delaware, having a place of business at 500 Oracle Parkway, Redwood Shores, California 94065, (hereinafter termed "Assignee"), is desirous of acquiring the entire right, title and interest in and to said application and the invention disclosed therein, and in and to all embodiments of the invention, heretofore conceived, made or discovered jointly or severally by said Inventors (all collectively hereinafter termed "said invention"), and in and to any and all patents, inventor's certificates and other forms of protection (hereinafter termed "patents") thereon granted in the United States and foreign countries.

NOW, THEREFORE, in consideration of good and valuable consideration acknowledged by said Inventors to have been received in full from said Assignee:

1. Said Inventors do hereby sell, assign, transfer and convey unto said Assignee the entire right, title and interest (a) in and to said application and said invention; (b) in and to all rights to apply for foreign patents on said invention pursuant to the International Convention for the Protection of Industrial Property or otherwise; (c) in and to any and all applications filed and any and all patents granted on said invention in the United States or any foreign country, including each and every application filed and each and every patent granted on any application which is a divisional, substitution, continuation, or continuation-in-part of any of said applications; and (d) in and to each and every reissue or extensions of any of said patents.

2. Said Inventors hereby jointly and severally covenant and agree to cooperate with said Assignee to enable said Assignee to enjoy to the fullest extent the right, title and interest herein conveyed in the United States and foreign countries. Such cooperation by said Inventors shall include prompt production of pertinent facts and documents, giving of testimony, execution of petitions, oaths, specifications, declarations or other papers, and other assistance all to the extent deemed necessary or desirable by said Assignee (a) for perfecting in said Assignee the right, title and interest herein conveyed; (b) for prosecuting any of said applications; (c) for filing and prosecuting substitute, divisional, continuing or additional applications covering said invention; (d) for filing and prosecuting applications for reissuance of any said patents; (e) for interference or other priority proceedings involving said invention; and (f) for legal proceedings involving said invention and any applications therefor and any patents granted thereon, including without limitation reissues and reexaminations, opposition proceedings, cancellation proceedings, priority contests, public use proceedings, infringement actions and court actions; provided, however, that the expense incurred by said Inventors in providing such cooperation shall be paid for by said Assignee.

3. The terms and covenants of this assignment shall inure to the benefit of said Assignee, its successors, assigns and other legal representatives, and shall be binding upon said Inventors, their respective heirs, legal representatives and assigns.

4. Said Inventors hereby jointly and severally warrant and represent that they have not entered and will not enter into any assignment, contract, or understanding in conflict herewith.

IN WITNESS WHEREOF, said Inventors have executed and delivered this instrument to said Assignee as of the dates written below.

Tirthankar Lahiri  
Tirthankar Lahiri

4/10/2001

Date

Juan R. Loaiza  
Juan R. Loaiza

4/10/01

Date

Arvind Nithrakashyap  
Arvind Nithrakashyap

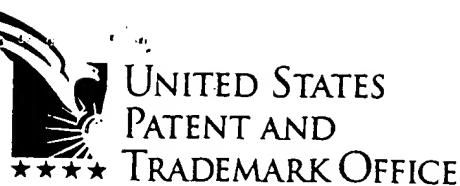
4/10/2001

Date

William H. Bridge  
William H. Bridge

4/10/2001

Date



JUNE 17, 2003

PTAS

Under Secretary of Commerce For Intellectual Property and  
Director of the United States Patent and Trademark Office  
Washington, DC 20231  
[www.uspto.gov](http://www.uspto.gov)

A. RICHARD PARK  
PARK, VAUGHAN & FLEMING LLP  
508 SECOND ST., SUITE 201  
DAVIS, CA 95616

RECEIVED

JUN 23 2003



\*102368048A\*

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RECORDATION DATE: 02/19/2003

REEL/FRAME: 013737/0276  
NUMBER OF PAGES: 6

BRIEF: ASSIGNMENT OF ASSIGNOR'S INTEREST (SEE DOCUMENT FOR DETAILS).

ASSIGNOR:  
ORACLE CORPORATION

DOC DATE: 02/06/2003

ASSIGNEE:  
ORACLE INTERNATIONAL CORPORATION  
500 ORACLE PARKWAY  
REDWOOD SHORES, CALIFORNIA 94065

SERIAL NUMBER: 09138029  
PATENT NUMBER: 6584453

FILING DATE: 08/21/1998  
ISSUE DATE: 06/24/2003

SERIAL NUMBER: 09322889  
PATENT NUMBER:

FILING DATE: 05/29/1999  
ISSUE DATE:

SERIAL NUMBER: 09518279  
PATENT NUMBER:

FILING DATE: 03/03/2000  
ISSUE DATE:

SERIAL NUMBER: 09524424  
PATENT NUMBER:

FILING DATE: 03/11/2000  
ISSUE DATE:

013737/0276 PAGE 2

SERIAL NUMBER: 09516661 PATENT NUMBER:	FILING DATE: 03/01/2000 ISSUE DATE:
SERIAL NUMBER: 09556608 PATENT NUMBER:	FILING DATE: 04/21/2000 ISSUE DATE:
SERIAL NUMBER: 09539266 PATENT NUMBER:	FILING DATE: 03/30/2000 ISSUE DATE:
SERIAL NUMBER: 09544709 PATENT NUMBER:	FILING DATE: 04/06/2000 ISSUE DATE:
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SERIAL NUMBER: 09728891 PATENT NUMBER:	FILING DATE: 12/02/2000 ISSUE DATE:

013737/0276 PAGE 3

SERIAL NUMBER: 09829532	FILING DATE: 04/09/2001
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SERIAL NUMBER: 09728802	FILING DATE: 12/02/2000
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PATENT NUMBER:	ISSUE DATE:
SERIAL NUMBER: 09834342	FILING DATE: 04/13/2001
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PATENT NUMBER:	ISSUE DATE:
SERIAL NUMBER: 09741680	FILING DATE: 12/15/2000
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PATENT NUMBER: 6516317	ISSUE DATE: 02/04/2003
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SERIAL NUMBER: 10121354	FILING DATE: 04/12/2002
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SERIAL NUMBER: 10071415	FILING DATE: 02/08/2002
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PATENT NUMBER:	ISSUE DATE:
SERIAL NUMBER: 10106729	FILING DATE: 03/26/2002
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SERIAL NUMBER: 10227766	FILING DATE: 08/26/2002
PATENT NUMBER:	ISSUE DATE:
SERIAL NUMBER: 10060476	FILING DATE: 01/30/2002
PATENT NUMBER:	ISSUE DATE:

013737/0276 PAGE 5

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PATENT NUMBER:	ISSUE DATE:
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PATENT NUMBER:	ISSUE DATE:
SERIAL NUMBER: 10074955	FILING DATE: 02/12/2002
PATENT NUMBER:	ISSUE DATE:
SERIAL NUMBER: 10160524	FILING DATE: 06/03/2002
PATENT NUMBER:	ISSUE DATE:
SERIAL NUMBER: 10197738	FILING DATE: 07/17/2002
PATENT NUMBER:	ISSUE DATE:
SERIAL NUMBER: 10158969	FILING DATE: 05/31/2002
PATENT NUMBER:	ISSUE DATE:
SERIAL NUMBER: 10241732	FILING DATE: 09/10/2002
PATENT NUMBER:	ISSUE DATE:
SERIAL NUMBER: 10282170	FILING DATE: 10/28/2002
PATENT NUMBER:	ISSUE DATE:

PAULA MCCRAY, EXAMINER  
ASSIGNMENT DIVISION  
OFFICE OF PUBLIC RECORDS

02-20-2003



102368048

U.S. DEPARTMENT OF COMMERCE  
Patent and Trademark Office

FORM PTO-1595

1-31-92

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**FILED AND INDEXED**

To the Assistant Commissioner for Patents and Trademarks: Please record the attached original documents or copy thereof.

<p>1. Name of conveying party(ies): <b>02.19.03</b>            Oracle Corporation            500 Oracle Parkway            Redwood Shores, CA 94065</p> <p>Additional name(s) of conveying party(ies) attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</p>	<p>2. Name and address of receiving party(ies):  <b>Name: Oracle International Corporation            Street Address: 500 Oracle Parkway            City: State: Zip: Redwood Shores, CA 94065</b></p> <p>Additional name(s) &amp; address(es) attached?  <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No</p>
<p>3. Nature of conveyance:  <input checked="" type="checkbox"/> Assignment      <input type="checkbox"/> Merger  <input type="checkbox"/> Security Agreement      <input type="checkbox"/> Change of Name  <input type="checkbox"/> Other</p>	
<p>Execution Date: <b>February 6, 2003</b></p>	

4. Application number(s) or patent number(s):

If this document is being filed together with a new application, the execution date of the application is:

A. Patent Application No.(s): Attached See Schedule A	Patent No.(s):
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Additional numbers attached?  Yes  No

<p>5. Name and address of party to whom correspondence concerning document should be mailed:  <b>Name: A. Richard Park (Reg. No. 41,241)            Park, Vaughan &amp; Fleming LLP            508 Second Street, Suite 201            Davis, CA 95616</b></p>	<p>6. Total number of applications and patents involved: [66]</p>
	<p>7. Total fee (37 CFR 3.41) ..... <b>\$2,640.00</b>  <input checked="" type="checkbox"/> Enclosed  <input type="checkbox"/> Authorized to be charged to deposit account</p>
	<p>8. Deposit account number:</p>

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9. Statement and signature.

*To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document.*

A. Richard Park

Name of Person Signing

Signature

February 13, 2003

Date

Total number of pages including cover sheet, attachments and document: [15]

Schedule A  
Patent Applications

No	Docket No.	Appl. No.	Filing Date	Title
1	OID-1997-056-02	09/138,029	8/21/1998	REVERSIBLE MOVE/MERGE OPERATION FOR A GENERAL LEDGER
2	OID-1999-019-01	09/322,889	5/29/1999	METHOD AND APPARATUS FOR PROVIDING INFORMATION TO SUPPORT FLOW MANUFACTURING
3	OID-1999-039-01	09/518,279	3/3/2000	TIER-INDEPENDENT DATA ACCESS FRAMEWORK
4	OID-1999-086-01	09/524,424	3/11/2000	SYSTEM AND METHOD FOR REDUCING NETWORK TRAFFIC BETWEEN TWO COMPUTING DEVICES
5	OID-1999-133-01	09/516,661	3/1/2000	METHOD AND APPARATUS FOR PROCESSING SELF-SERVICE MOVE REQUESTS
6	OID-1999-134-01	09/536,608	4/21/2000	METHOD AND APPARATUS FOR FACILITATING SPACE AND LEASE ADMINISTRATION
7	OID-1999-174-01	09/539,266	3/30/2000	METHOD AND APPARATUS FOR SHARING A SECURE CONNECTION BETWEEN A CLIENT AND MULTIPLE SERVERS
8	OID-1999-175-01	09/544,709	4/6/2000	FACILITATING SINGLE SIGN-ON BY USING AUTHENTICATED CODE TO ACCESS A PASSWORD STORE
9	OID-1999-176-01	09/550,725	4/17/2000	METHOD AND APPARATUS FOR FACILITATING SINGLE SIGN ON THROUGH REDIRECTION TO A LOGIN SERVER
10	OID-1999-184-01	09/643,318	8/21/2000	METHOD AND APPARATUS FOR CONFIGURING EXTENSIBLE APPLICATION PROGRAMMING INTERFACES
11	OID-1999-186-01	09/649,850	8/29/2000	PERFORMANCE-BASED CACHING
12	OID-1999-187-01	09/650,498	8/29/2000	MULTI-TIERED CACHING SYSTEM
13	OID-1999-190-01	09/607,823	6/30/2000	SIDE-BAND KEY EXCHANGE FOR SECURING AN APPLICATION
14	OID-2000-007-01	09/658,349	9/11/2000	QUERY OPTIMIZATION WITH SWITCH PREDICATES
15	OID-2000-008-01	09/559,171	4/26/2000	SELECTIVELY AUDITING ACCESSES TO ROWS WITHIN A RELATIONAL DATABASE AT A DATABASE SERVER
16	OID-2000-011-01	09/559,206	4/26/2000	REFORMING QUERIES TO SELECTIVELY AUDIT ACCESSES TO ROWS WITHIN A RELATIONAL DATABASE
17	OID-2000-017-01	09/577,220	5/23/2000	METHOD AND APPARATUS FOR SHARING A SECURITY CONTEXT BETWEEN DIFFERENT SESSIONS ON A DATABASE SERVER
18	OID-2000-032-01	09/680,600	10/6/2000	METHOD AND APPARATUS FOR FACILITATING SPACE AND LEASE ADMINISTRATION
19	OID-2000-037-01	09/569,514	5/12/2000	SERVICING DATABASE REQUESTS USING READ-ONLY DATABASE SERVERS COUPLED TO A MASTER DATABASE SERVER
20	OID-2000-038-01	09/658,131	9/13/2000	METHOD AND APPARATUS FOR ENCRYPTION PROGRAMMING INTERFACE
21	OID-2000-038-02	09/680,599	10/6/2000	METHOD AND APPARATUS FOR AUTOMATIC DATABASE ENCRYPTION
22	OID-2000-043-01	09/728,891	12/2/2000	SYSTEM AND METHOD FOR SERVING PRE-GENERATED PRESENTATION VIEWS OF REQUESTED DATA
23	OID-2000-079-01	09/829,532	4/9/2001	METHOD AND APPARATUS FOR SHARING CACHED DATA
24	OID-2000-084-01	09/728,802	12/2/2000	SYSTEM AND METHOD FOR DYNAMICALLY PRESENTING A LIST OF ITEMS

No	Docket No.	Appl. No.	Filing Date	Title
25	OID-2000-112-01	09/769,927	1/24/2001	SYSTEM AND METHOD FOR PRODUCING A VIRTUAL ONLINE BOOK
26	OID-2000-121-01	09/834,342	4/13/2001	SYSTEM AND METHOD FOR PREDICTING CACHE PERFORMANCE
27	OID-2000-137-01	09/677,441	9/29/2000	METHOD AND APPARATUS FOR CONTROLLING WORKFLOW THROUGH ELECTRONIC MAIL
28	OID-2000-140-01	09/741,680	12/15/2000	METHOD AND APPARATUS FOR MANAGEMENT OF ENCRYPTED DATA THROUGH ROLE SEPARATION
29	OID-2000-141-01	09/748,026	12/21/2000	METHOD AND APPARATUS FOR FACILITATING COMPARTMENTALIZED DATABASE USER MANAGEMENT
30	OID-2000-142-01	09/741,691	12/15/2000	METHOD AND APPARATUS FOR DELEGATING DIGITAL SIGNATURES TO A SIGNATURE SERVER
31	OID-2000-146-01	09/711,096	11/9/2000	METHOD AND APPARATUS FOR FACILITATING BILLING TRANSACTIONS THROUGH ELECTRONIC MAIL
32	OID-2000-180-01	10/144,535	5/10/2002	SYSTEM AND METHOD FOR TESTING THE COMPATIBILITY OF A COMPUTER APPLICATION WITH A FOREIGN CHARACTER SET
33	OID-2001-004-01	09/922,617	8/4/2001	AUTOMATIC INVALIDATION OF CACHED DATA
34	OID-2001-005-01	09/923,102	8/4/2001	SYSTEM AND METHOD FOR SERVING ONE SET OF CACHED DATA FOR DIFFERING DATA REQUESTS
35	OID-2001-006-01	09/923,103	8/4/2001	SYSTEM AND METHOD FOR CUSTOMIZING CACHED DATA
36	OID-2001-007-01	09/923,072	8/4/2001	SYSTEM AND METHOD FOR SESSION-AWARE CACHING
37	OID-2001-008-01	09/923,073	8/4/2001	MULTI-VERSION DATA CACHING
38	OID-2001-009-01	09/932,524	8/17/2001	PARTIAL PAGE CACHING
39	OID-2001-023-01	09/873,150	6/1/2001	METHOD AND APPARATUS FOR IDENTIFYING A DATA SEQUENCE RELATED TO A GIVEN DATA SEQUENCE
40	OID-2001-011-01	09/872,551	5/31/2001	METHOD AND APPARATUS FOR SERVER-SIDE RULE PROCESSING OF ELECTRONIC MAIL IN A DATABASE ENVIRONMENT
41	OID-2001-027-01	09/921,961	8/2/2001	METHOD AND APPARATUS FOR SECURE ELECTRONIC COMMERCE
42	OID-2001-033-01	09/944,832	8/31/2001	SELF-ADAPTIVE HYBRID CACHE
43	OID-2001-042-01	09/872,552	5/31/2001	EFFICIENT COLLATION ELEMENT STRUCTURE FOR HANDLING LARGE NUMBERS OF CHARACTERS
44	OID-2001-044-01	10/144,563	5/10/2002	SYSTEM AND METHOD FOR AUTO-EVOLVABLE REMOTE PROCEDURE CALL STRUCTURES
45	OID-2001-049-01	09/863,146	5/22/2001	METHOD AND APPARATUS FOR PROVIDING A SERVICE THAT DYNAMICALLY GENERATES VOICE GRAMMARS
46	OID-2001-068-01	09/957,736	9/20/2001	METHOD AND APPARATUS FOR AUTOMATIC NOTIFICATION OF DATABASE EVENTS
47	OID-2001-074-01	10/044,008	1/11/2002	METHOD AND APPARATUS FOR SECURE MESSAGE QUEUING
48	OID-2001-075-01	10/027,100	12/19/2001	METHOD AND APPARATUS TO FACILITATE ACCESS AND PROPAGATION OF MESSAGES IN COMMUNICATION QUEUES USING A PUBLIC NETWORK
49	OID-2001-077-01	10/040,188	12/19/2001	SYSTEM AND METHOD FOR ENHANCING PROGRAM DATA
50	OID-2001-109-01	10/102,320	3/19/2002	METHOD AND APPARATUS TO FACILITATE INTERACTION MANAGEMENT BETWEEN LOOSELY COUPLED APPLICATIONS

No	Docket No.	Appl. No.	Filing Date	Title
51	OID-2001-110-01	10/121,354	4/12/2002	SYSTEM AND METHOD FOR EVALUATING THE INTEGRITY OF A SET OF FILES
52	OID-2001-130-01	10/071,415	2/8/2002	SYSTEM AND METHOD FOR FACILITATING A DISTRIBUTED SEARCH OF LOCAL AND REMOTE SYSTEMS
53	OID-2001-158-01	10/072,089	2/8/2002	METHOD AND APPARATUS TO FACILITATE A GLOBAL TIMEOUT IN A DISTRIBUTED COMPUTING ENVIRONMENT
54	OID-2001-159-01	10/043,800	1/10/2002	METHOD AND APPARATUS TO FACILITATE INDIVIDUAL AND GLOBAL LOCKOUTS TO NETWORK APPLICATIONS
55	OID-2001-172-01	10/106,729	3/26/2002	METHOD AND APPARATUS FOR PROVIDING A TAX SERVICE THAT IS CONFIGURABLE FOR LOCAL JURISDICTIONS
56	OID-2001-185-01	10/228,247	8/26/2002	SYSTEM AND METHOD FOR REAL-TIME CO-BROWSING
57	OID-2001-187-01	10/227,766	8/26/2002	SYSTEM AND METHOD FOR REAL-TIME ANNOTATION OF A CO-BROWSED DOCUMENT
58	OID-2001-212-01	10/060,476	1/30/2002	METHOD AND APPARATUS TO FACILITATE TRANSACTIONAL CONSISTENCY FOR REFERENCES IN OBJECT-RELATIONAL DATABASES
59	OID-2001-225-01	10/197,760	7/17/2002	SYSTEM AND METHOD FOR CACHING DATA FOR A MOBILE APPLICATION
60	OID-2001-237-01	10/054,574	1/22/2002	METHOD AND APPARATUS FOR FACILITATING LOW-COST AND SCALABLE DIGITAL IDENTIFICATION AUTHENTICATION
61	OID-2001-238-01	10/074,955	2/12/2002	METHOD AND APPARATUS TO FACILITATE SINGLE SIGN-ON SERVICES FOR EXTERNAL APPLICATIONS
62	OID-2001-247-01	10/160,524	6/3/2002	METHOD AND APPARATUS TO FACILITATE SINGLE SIGN-ON SERVICES IN A HOSTING ENVIRONMENT
63	OID-2001-256-01	10/197,738	7/17/2002	INTELLIGENT CLIENT AGENT FOR A HYBRID ONLINE/OFFLINE APPLICATION
64	OID-2002-001-01	10/158,969	5/31/2002	SYSTEM AND METHOD FOR CONVERTING AN ELECTRONICALLY STORED DOCUMENT
65	OID-2002-009-01	10/241,732	9/10/2002	SYSTEM AND METHOD FOR APPLYING A PARTIAL PAGE CHANGE
66	OID-2002-115-01	10/282,170	10/28/2002	METHOD AND APPARATUS FOR UPDATING A SECONDARY FORM ELEMENT FROM A PRIMARY FORM ELEMENT

IN THE UNITED STATES  
PATENT AND TRADEMARK OFFICE

**PATENT ASSIGNMENT**

WHEREAS, in consideration of good and valuable consideration, the receipt of which is hereby acknowledged, **Oracle Corporation**, a corporation of Delaware, with a place of business at 500 Oracle Parkway, Redwood Shores, California 94065, hereinafter referred to as "Assignor," has sold, assigned, transferred and set over, unto **Oracle International Corporation (OIC)**, a corporation of California, with a place of business at 500 Oracle Parkway, Redwood Shores, California 94065, hereinafter referred to as "Assignee," its successors, legal representatives and assigns, Assignor's entire right, title and interest in, to, and under the issued patents and provisional and non-provisional pending applications listed on the attached Schedule A, as well as any divisions, renewals and continuations thereof, and all Letters Patent of the United States which may be granted thereon and all reissues and extensions thereof, and all applications for Letters Patent which may hereafter be filed for inventions embodied by said pending applications in any country or countries foreign to the United States, and all Letters Patent which may be granted for said inventions embodied by said pending applications in any country or countries foreign to the United States and all extensions, renewals and reissues thereof and all rights of priority in any such country or countries based upon the filing of said pending applications in the United States which are created by any law, treaty or international convention; and Assignor hereby authorizes and requests the Commissioner of Patents of the United States, and any Official of any country or countries foreign to the United States, whose duty is to issue patents on any such applications as aforesaid, to issue all Letters Patent for said inventions to **Oracle International Corporation**, its successors, legal representatives and assigns, in accordance with the terms of this instrument.

AND Assignor does hereby covenant that it had full right to convey the entire interest herein assigned, and that Assignor has not executed, and will not execute, any agreement in conflict herewith.

AND Assignor does further hereby covenant and agree that it will communicate to said Assignee, its successors, legal representatives and assigns, any facts known to it respecting said pending applications, and testify in any legal proceeding, sign all lawful papers, execute all divisional, continuing and reissue applications, make all rightful oaths and generally do everything reasonably necessary to aid said Assignee, its successors, legal representatives and assigns, to obtain and enforce any attendant rights in all countries.

IN WITNESS WHEREOF, Oracle Corporation has caused this instrument to be signed by a duly authorized corporate officer and its corporate seal to be affixed, as of this 6<sup>th</sup> day of February, 2003.

Oracle Corporation

By:



Name: Daniel Cooperman

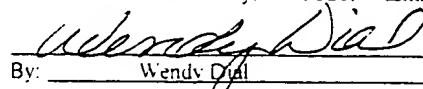
Title: Senior Vice President and General Counsel



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**CERTIFICATE OF MAILING UNDER 37 C.F.R. § 1.8 - FIRST CLASS MAIL**

I hereby certify that this correspondence is being deposited postage prepaid, with the United States Postal Service as "First Class Mail" in an envelope addressed to the U.S. Patent and Trademark Office, Assignment Division, Box Assignments, CG-4, 1213 Jefferson Davis Hwy, Suite 320, Washington, DC 20231 on February 13, 2003.

 (Signature)  
By: Wendy Dial (Type Name)

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

**REQUEST FOR RECORDATION OF ASSIGNMENT DOCUMENTS**

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Washington, DC 20231

Sir:

Transmitted herewith are the following papers:

- Recordation Cover Sheet FORM PTO-1595;
- Attachment listing patent application nos. to be recorded;
- Check for recordation fee \$2,640.00; and
- Assignment of Patent Rights.

Issuance of a Notice of Recordation of Assignment Document is respectfully requested.

Respectfully submitted,

Dated: February 13, 2003

By:   
A. Richard Park  
Registration No. 41,241

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